Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/31/2018 10:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125413	0	2.03	125213	1.93
Blue	F	SSC	125000	123669	-2	3.52	123888	3.33
Blue	E	FITC	23615	22779	-4	2.95	1020	10.83
Blue	D	PE	26739	26497	-1	2.53	954	10.32
Blue	B	PerCP-Cy5-5	48339	47561	-2	3.87	1367	17.63
Blue	A	PE-Cy7	45021	45021	0	5.64	696	36.92
Red	C	APC	53064	51998	-3	2.93	2975	9.81
Red	A	APC-Cy7	57175	56656	-1	2.98	1182	11.46
Violet	B	V450	14728	14075	-5	4.99	670	9.61
Violet	A	V500	58621	57351	-3	4.80	2539	7.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19284	2.82	612	-2	N/A	N/A	Pass
Blue	F	SSC	61058	1.74	556	10	N/A	N/A	Pass
Blue	E	FITC	112	39.30	548	0	0.0184	69	Pass
Blue	D	PE	208	30.81	541	5	0.1510	273	Pass
Blue	B	PerCP-Cy5-5	212	47.22	639	4	0.0093	107	Pass
Blue	A	PE-Cy7	71	131.48	698	5	0.0111	21	Pass
Red	C	APC	344	28.74	602	5	0.0190	60	Pass
Red	A	APC-Cy7	128	41.78	585	5	0.0053	1727	Pass
Violet	B	V450	82	44.31	465	-5	0.0474	2288	Pass
Violet	A	V500	184	22.81	493	-4	0.0124	53	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.40	-30.76	0.94
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.36
Red	16.10	14.40 - 21.60	N/A	N/A	30.57	31.14	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10133

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments